

# INTEROFFICE MEMORANDUM

Date: December 04, 2005  
 To: Arthur L. Williams, Director  
 From: Arthur Chang, Technical Services Supervisor  
 Re: November 2005 FRM PM<sub>2.5</sub> Monitoring Update Report

This is a report of November 2005 Federal Reference Method PM<sub>2.5</sub> monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

## November 2005

**Table 1. PM<sub>2.5</sub> Monthly Data Summary (µg/m<sup>3</sup>)**

	Daily Maximum	Daily Minimum		Monthly
<u>Site Name</u>	<u>Conc. &amp; Date</u>	<u>Conc. &amp; Date</u>	<u>Run Time</u>	<u>Average</u>
Southwick	36.4 (11/12)	3.9 (11/24)	93.3 %	12.1
Wyandotte	29.6 (11/12)	5.0 (11/24)	93.3 %	13.5
Barret	23.6 (11/21)	5.1 (11/24)	90.0 %	14.2
Watson	13.8 (11/30)	4.4 (11/24)	60.0 %	10.3
<b>Overall</b>				<b>12.7</b>

The 24-hour average standard is 65 µg/m<sup>3</sup>.

**Table 2. PM<sub>2.5</sub> Design Values and Year-to-Date Annual Mean Comparisons**

<u>Site Name</u>	<u>Annual Mean (ug/m<sup>3</sup>)</u>							Annual Design Values (1999-2001)	Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005) <sup>3</sup>
	2005 Year-To-Date	2004	2003	2002	2001	2000	1999					
Southwick/ <i>Firearms Trn</i> <sup>1</sup>	16.9	14.6	15.4	17.2	17.1/ 18.7 <sup>1</sup>	17.3	17.5	N/A	N/A	N/A	15.7 <sup>2</sup>	~15.6 <sup>2</sup>
Wyandotte	16.7	14.1	15.2	17.5	17.7	16.7	16.9	17.1 <sup>2</sup>	17.3 <sup>2</sup>	16.8 <sup>2</sup>	15.6	~15.3
Barret	16.8	14.0	15.2	16.3	16.9	16.7	17.2	16.9	16.6	16.1	15.1	~15.3
Watson	16.6	12.7	15.1	15.3	16.3	16.8	15.2	16.1	16.1	15.5	14.3	~14.8

The annual average standard is 15.0 µg/m<sup>3</sup>.

<sup>1</sup> *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

<sup>2</sup> Design value site for Louisville.

<sup>3</sup> Year-to-date data for 2005.